

IN THE CLAIMS:

Please amend claims 1-5, 7, 8, 10-12, 15-17, 19-21, and 25-27 as follows.

1. (Currently Amended) A method of providing access via a first network (30) to a service facilitated by a second network-(90), said method comprising the steps of:

- a) using an authentication message to signal a service selection information via said first network to an authentication server means (50) of said second network-(30); and
- b) using said service selection information to connect to services provided over an access point indicated by said service selection information.

2. (Currently Amended) A method according to ~~claim~~ claim 1, wherein said first network is a wireless local area network-(30).

3. (Currently Amended) A method according to ~~any one of the preceding claims~~ claim 1, wherein said second network is a cellular packet-switched network-(70).

4. (Currently Amended) A method according to claim 3, wherein said cellular packet-switched network is a GPRS network-(70).

5. (Currently Amended) A method according to ~~any one of the preceding claims~~ claim 1, wherein said authentication message is an EAP message.

6. (Original) A method according to claim 5, wherein said EAP message is an EAP SIM or EAP AKA message.

7. (Currently Amended) A method according to claim 5 ~~or 6~~, wherein said authentication message is an EAP Challenge Response message.

8. (Currently Amended) A method according to ~~any one of the preceding claims~~ claim 1, wherein said service selection information comprises at least one APN parameter.

9. (Original) A method according to claim 8, wherein said at least one APN parameter comprises an APN, a username and a password.

10. (Currently Amended) A method according to claim 7 ~~or 8~~, wherein said APN parameter is encrypted in said authentication message.

11. (Currently Amended) A method according to claim 9 ~~or 10~~, wherein at least one of said APN parameters is encrypted so that it can only be decrypted at the network defined by the APN[[]].

12. (Currently Amended) An authentication server device for providing an authentication mechanism, said authentication server (50) being ~~arranged~~ configured:

- a) to extract from a received authentication message a service selection information for selecting a service; and
- b) to use said service selection information for establishing a connection to services provided over an access point indicated by said service selection information.

13. (Original) An authentication server according to claim 12, wherein said authentication mechanism is based on an EAP protocol.

14. (Original) An authentication server according to claim 13, wherein said received authentication message is an EAP Challenge Response message.

15. (Currently Amended) An authentication server according to ~~any one of claims 12 to 14~~ claim 12, wherein said authentication server is a standalone WLAN authentication server~~(50)~~.

16. (Currently Amended) An authentication server according to ~~any one of claims 12 to 14~~ claim 12, wherein said authentication server is a GGSN.

17. (Currently Amended) An authentication server device according to ~~any one of claims 12 to 16~~ claim 12, wherein said service selection information comprises at least one APN parameter.

18. (Original) An authentication server according to claim 17, wherein said APN parameter is encrypted in said authentication message.

19. (Currently Amended) An authentication server according to claim 17 ~~or 18~~, wherein at least one of said APN parameters is decrypted in said authentication server.

20. (Currently Amended) An authentication server according to ~~claims 17 to 19~~ claim 17, wherein at least one of said APN parameter is forwarded by the authentication server to said access point in an encrypted manner.

21. (Currently Amended) A terminal device for providing access to a network service, said device being ~~arranged~~ configured to set in an authentication message a service selection information for selecting said network service.

22. (Original) A device according to claim 21, wherein said authentication message is an EAP message.

23. (Original) A device according to claim 22, wherein said EAP message is an EAP Challenge Response message.

24. (Original) A device according to claim 23, wherein said EAP Challenge Response message is an EAP SIM or EAP AKA Challenge Response message.

25. (Currently Amended) A device according to ~~any one of claims 21 to 24~~ claim 21, wherein said service selection information comprises at least one APN parameter.

26. (Currently Amended) A device according to ~~any one of claims 21 to 25~~ claim 21, wherein said service is a GPRS service.

27. (Currently Amended) ~~A system for providing access from a first network (30) to a service of a second network (90), said system comprising:~~

~~a terminal device according to any one of claims 21 to 26, said terminal device (10) being connected to said the first network (30), and an authentication server device (40) according to any one of claims 14 to 20, said authentication server being connected to said second network~~ said terminal device configured to provide access to a network service, said terminal device configured to set in an authentication message a service selection information for selecting said network service; and

an authentication server device connected to the second network, said authentication server device for providing an authentication mechanism, said authentication server device being configured to extract from a received authentication message a service selection information for selecting a service, and to use said service selection information for establishing a connection to services provided over an access point indicated by said service selection information.

Please add new claims 28-36 as follows:

28. (New) A method of providing an authentication mechanism, said method comprising the steps of:

- a) extracting from a received authentication message a service selection information for selecting a service; and
- b) using said service selection information for establishing a connection to services provided over an access point indicated by said service selection information.

29. (New) A method of providing access to a network service, said method comprising the step of setting in an authentication message a service selection information for selecting said network service at a terminal device.

30. (New) A computer program product embodied on a computer readable medium comprising code means configured to produce the steps of claim 1 when run on a computer device.

31. (New) A processor device configured to produce the steps of claim 1.

32. (New) A data structure of an authentication message, said data structure being configured to include a service selection information for selecting a service.

33. (New) A computer program product embodied on a computer readable medium, said computer program product comprising code means configured to produce the steps of claim 28 when run on a computer device.

34. (New) A computer program product embodied on a computer readable medium, said computer program product comprising code means configured to produce the steps of claim 29 when run on a computer device.

35. (New) A processor device configured to produce the steps of claim 28.

36. (New) A processor device configured to produce the steps of claim 29.